

FIG. 1

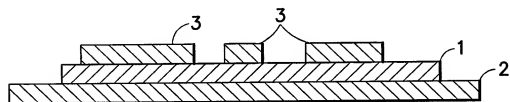


FIG. 2

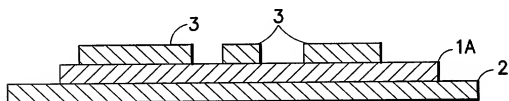


FIG. 3a

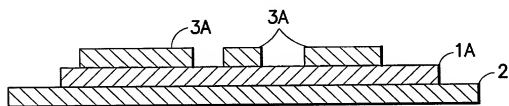


FIG. 3b

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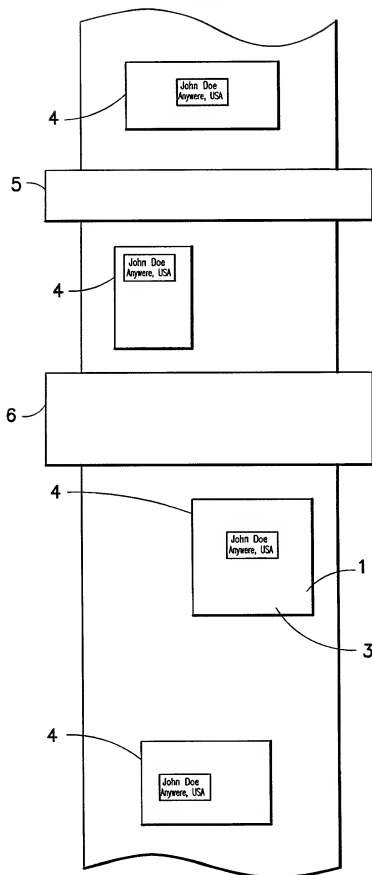


FIG. 4

201010290767.040102

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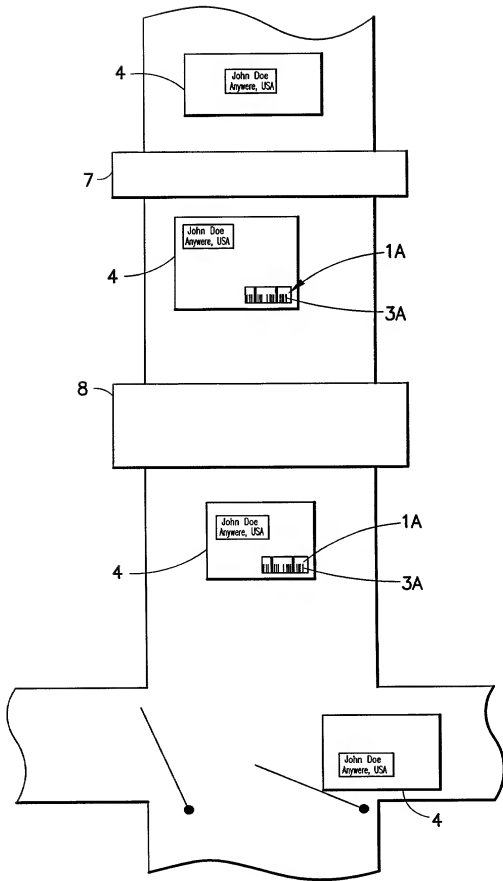


FIG.5

201040767.010102

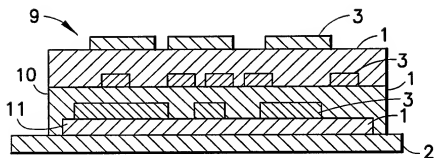


FIG.6

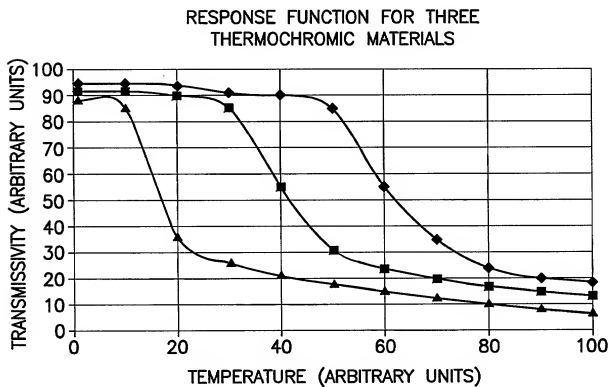


FIG.7

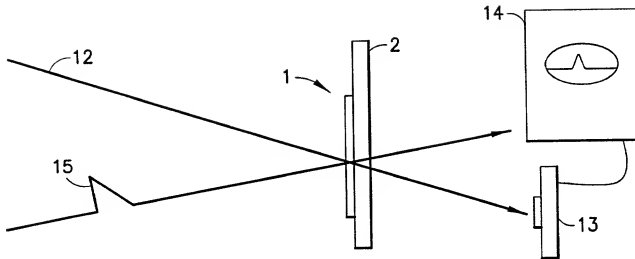


FIG.8

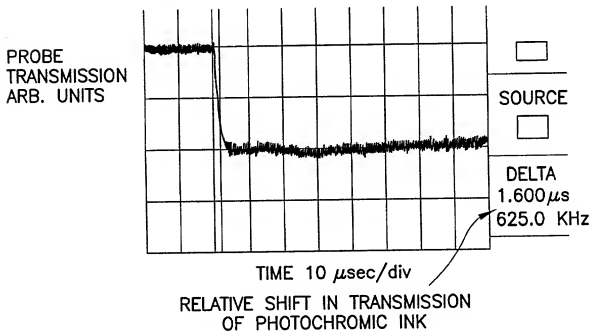
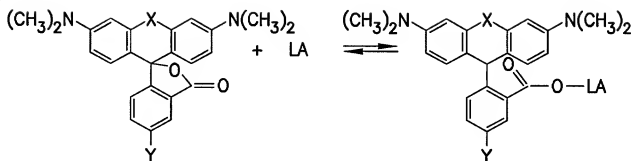


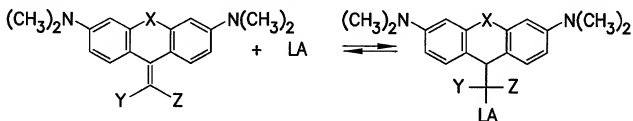
FIG.9



LACTONE (COLORLESS)  
STRUCTURE 1

SCHEME 1

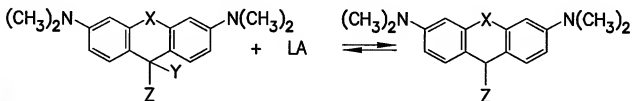
CATIONIC DYE (COLORED)



DIARYLETHYLENE (COLORLESS)  
STRUCTURE 2

SCHEME 2

CATIONIC DYE (COLORED)



Z=alkyl,aryl,ect

Y=OH,Oalkyl,Oaryl

AND OTHER HETEROATOM CONTAINING MOIETIES

DI(TRI)ARYLMETHANE (COLORLESS)

CATIONIC DYE (COLORED)

STRUCTURE 3

SCHEME 3

FIG.10